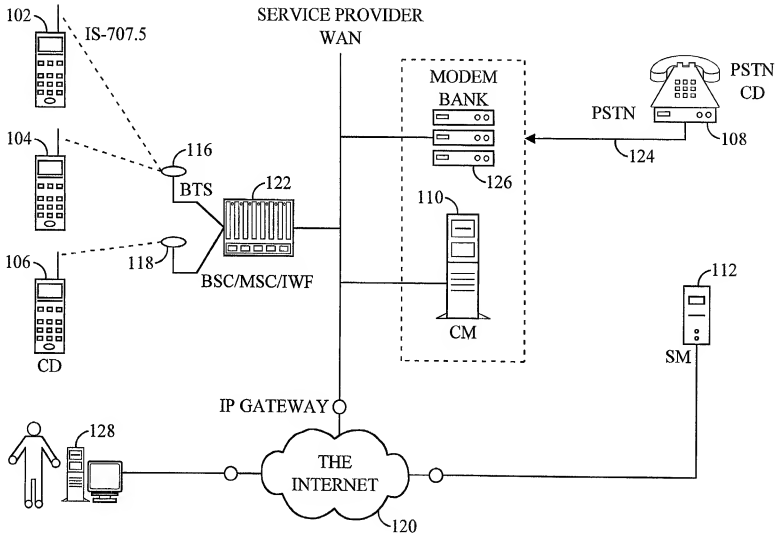
102
IS-707.5
SERVICE PROVIDER
WAN
MODEM
BANK
PSTN
CD
PSTN
104
116
BTS
122
126
124
108
110
104
118
BSC/MSC/IWF
106
CD
CM
112
SM
IP GATEWAY
128
THE
INTERNET
120
NBS TERMINAL OR
ADMINISTRATOR
100

FIG. 1

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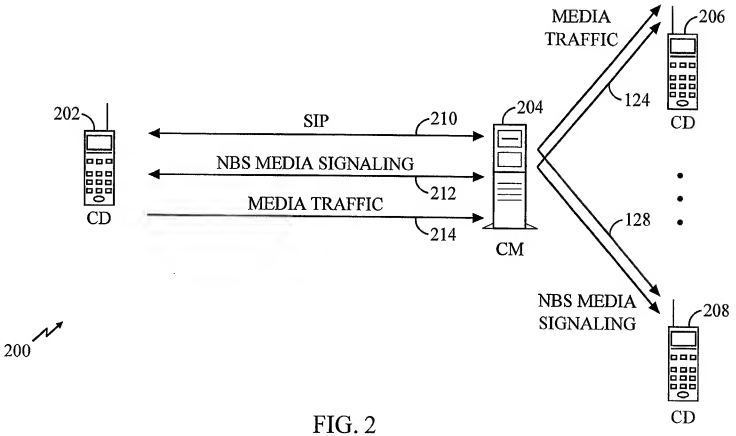

FIG. 2

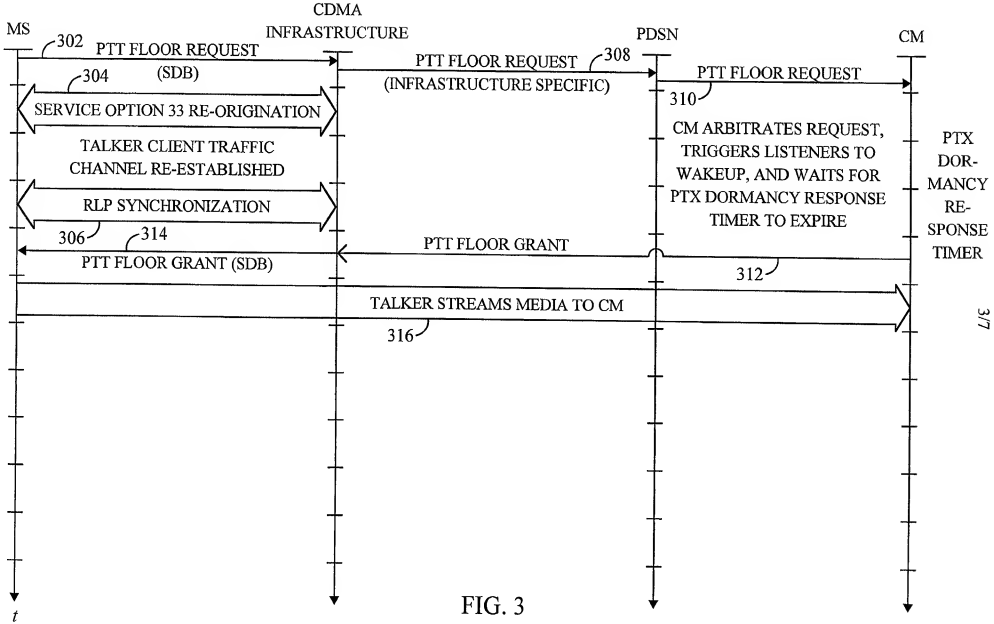
MS
CDMA INFRASTRUCTURE
PDSN
CM
302
PTT FLOOR REQUEST
(SDB)
304
SERVICE OPTION 33 RE-ORIGINATION
TALKER CLIENT TRAFFIC CHANNEL RE-ESTABLISHED
RLP SYNCHRONIZATION
306
314
PTT FLOOR GRANT (SDB)
PTT FLOOR REQUEST
(INFRASTRUCTURE SPECIFIC)
308
PTT FLOOR REQUEST
310
CM ARBITRATES REQUEST, TRIGGERS LISTENERS TO WAKEUP, AND WAITS FOR PTX DORMANCY RESPONSE TIMER TO EXPIRE
PTX DOR-MANCY RE-SPONSE TIMER
PTT FLOOR GRANT
312
TALKER STREAMS MEDIA TO CM
316
t

FIG. 3

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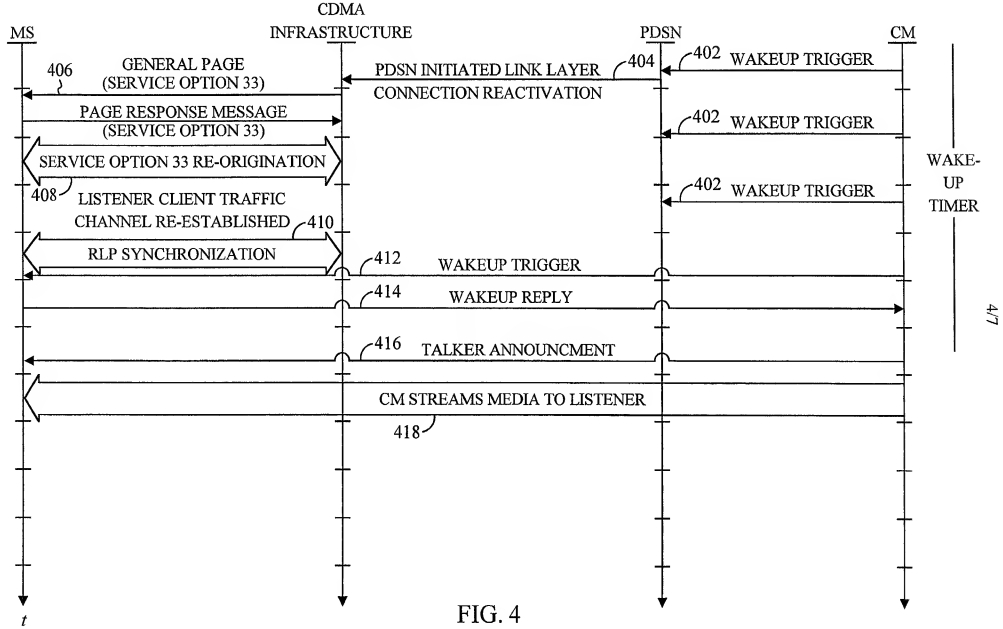
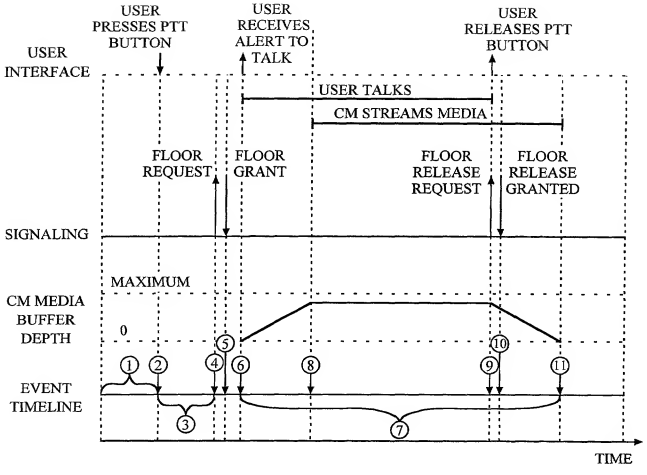
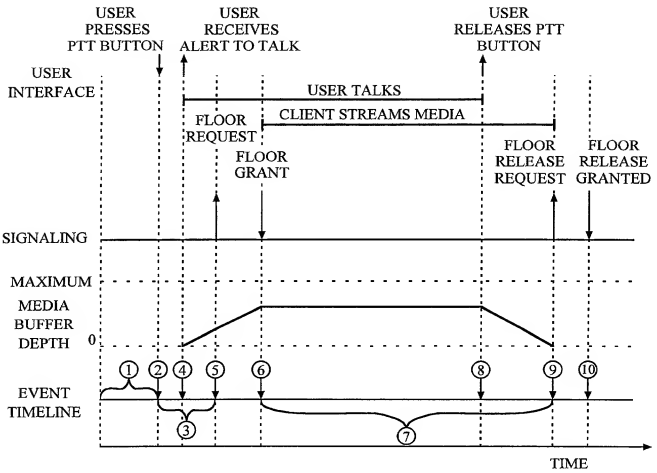


FIG. 4



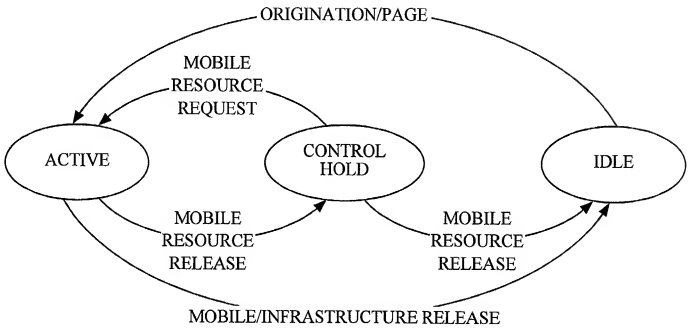
1. Group is Dormant
2. User presses the PTT Button.
3. Client re-establishes a packet data connection.
4. Packet data connection has been established; floor request is transmitted to CM
5. Client receives grant of floor from CM.
6. User is alerted to begin speaking; media is streamed to
7. CM buffers media from talker
8. CM receives indication that listener phones have re-established their traffic channels, and begins streaming media to listeners' phones.
9. User finishes talking and releases his PTT button; floor release request is
10. Floor release is granted to
11. CM stops streaming media to

FIG. 5



1. Group is Dormant
2. User presses the PTT Button.
3. Client begins process of re-establishing a packet data traffic channel.
4. Client alerts user that floor has been granted after a configurable delay and begins buffering user media.
5. Client successfully re-establishes traffic channel. Client transmits request for floor to CM.
6. Client is granted the floor by the CM
7. Client streams buffered media to CM.
8. User releases the PTT button. Client stops buffering media.
9. Client finishes streaming buffered media to CM, requests release of the floor by the CM.
10. Client receives acknowlegement of floor release from the CM

FIG. 6



ACTIVE
FCH AND/OR DCCH ASSIGNED
CONTINUOUS REVERSE PILOT
DEDICATED TRAFFIC CHANNELS

CONTROL HOLD
DCCH ONLY
GATED REVERSE PILOT
NO FUNDAMENTAL TRAFFIC CHANNELS
SHORT DATA BURST AVAILABLE

IDLE
NO DEDICATED CHANNELS
NO REVERSE PILOT
SHORT DATA BURST AVAILABLE

FIG. 7